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(54) Title: BK BETA SUBUNITS OF SLO FAMILY POTASSIUM CHANNELS

(57) Abstract: The invention provides isolated nucleic acid and amino acid sequences of BK beta 2, BK beta 3, and BK beta 4, antibodies to the BKbeta subunits, methods of detecting the BK beta subunits, methods of screening for modulators of Slo potassium channels comprising BK beta subunits, and kits for screening for activators and inhibitors of the Slo family potassium channels comprising BK beta subunits.

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